

Converting Colors

CIELCh(55, 73.958, 36.469)

Have a look what the booklet for
CIELCh(55, 73.958, 36.469) contains.

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Color

CIELCh(55, 73.819, 36.267)

Conversions

Conversions Part 1

Format	Color
Hex	E94C3B
RGB	233, 76, 59
RGB Percent	91%, 30%, 23%
CMY	0.0847, 0.7005, 0.7675
CMYK	0.00, 0.67, 0.75, 0.08
HSL	6°, 80%, 57%
HSV	6°, 75%, 92%
XYZ	37.1430, 22.9298, 6.6460
YIQ	121.0050, 99.0290, 27.9970

Conversions

Conversions Part 2

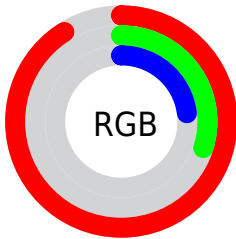
Format	Color
R_{YB}	233, 78, 59
Decimal	15289403
CIE _{Lab}	55.00, 59.52, 43.67
CIE _{LCh}	55, 73.819, 36.267
Yxy	22.9298, 0.5567, 0.3437
Android (android.graphics.Color)	4293479483 (0xFFE94C3B)
YUV	121.0050, -30.5685, 98.2196
Hunter-Lab	47.8851, 54.6581, 25.2907

Details

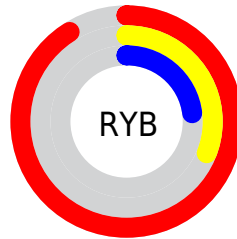
The CIELCh color **55, 73.819, 36.267** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark washed red. A complement of this color would be **80, 39.370, 210.431**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **69, 56.319, 38.515**, and **35, 73.348, 36.397** is the 20% darker color. If you saturate the color by 10%, you get **52, 84.503, 38.543**, and if you desaturate by 10%, it is **59, 62.489, 34.147**.

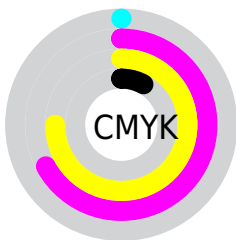
Distribution



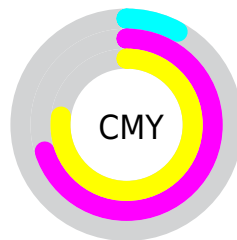
- Red (91%)
- Green (30%)
- Blue (23%)



- Red (91%)
- Yellow (31%)
- Blue (23%)



- Cyan (0%)
- Magenta (67%)
- Yellow (75%)
- Black (8%)



- Cyan (8%)
- Magenta (70%)
- Yellow (77%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 73.819, 36.267 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 55, 73.819, 36.267 by changing the saturation by 10% instead.

 55, 73.819, 36.267

 55, 73.819, 36.267

 100, 73.819,
36.267

 45, 73.819, 36.267

 75, 73.819, 36.267

 35, 73.819, 36.267

 85, 73.819, 36.267

 25, 73.819, 36.267

 95, 73.819, 36.267

 15, 73.819, 36.267

 5, 73.819, 36.267

 0, 73.819, 36.267

 55, 73.819, 36.267

 55, 73.819, 36.267

 52, 84.503, 38.543

 59, 62.489, 34.147

 50, 93.019, 40.277

 63, 51.220, 32.404

49, 96.334, 40.946

68, 40.361, 31.058

73, 30.106, 30.058

78, 20.543, 29.333

84, 11.693, 28.811

90, 3.532, 28.352

96, 3.990, 208.475

98, 7.386, 199.028

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



55, 73.819, 36.267



80, 39.370, 210.431

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



55, 73.819, 36.267



55, 73.819, 86.267



55, 73.819, 216.267



55, 73.819, 266.267

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



55, 73.816, 36.270



86, 19.539, 29.187



58, 92.390, 330.853



44, 13.278, 29.347



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



55, 73.816, 36.270



56, 96.113, 39.691



72, 63.531, 73.292



46, 4.474, 28.591



38, 79.374, 41.169



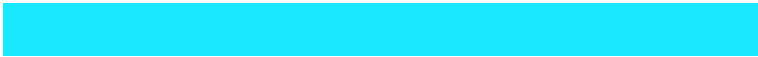
8, 26.587, 28.101

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



80, 39.370, 210.431



85, 44.322, 212.488



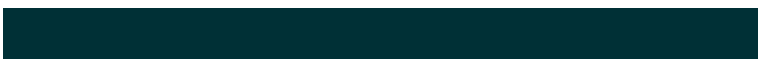
55, 59.040, 281.610



48, 4.207, 208.332



61, 34.567, 213.784



17, 14.983, 210.958

Previews

White Background



This preview shows how the CIELCh color 55, 73.819, 36.267 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIELCh color 55, 73.819, 36.267 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 55, 73.819, 36.267

Background



This preview shows how black text looks on a background with the CIELCh color 55, 73.819, 36.267.



This preview shows how white text looks on a background with the CIELCh color 55, 73.819, 36.267.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

55, 73.819, 36.267

Protanopia

55, 31.511, 95.560

Deuteranopia

55, 46.654, 81.390



Tritanopia
55, 69.900, 28.427

Trichromacy



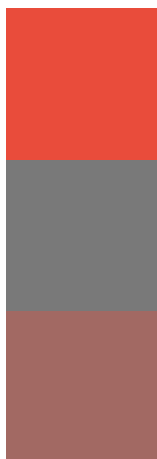
Original Color
55, 73.819, 36.267

Protanomaly
53, 39.643, 56.982

Deuteranomaly
54, 52.066, 57.285

Tritanomaly
55, 71.284, 31.559

Monochromacy



Original Color
55, 73.819, 36.267

Achromatopsia
51, 0.007, 296.813

Achromatomaly
50, 25.542, 30.125

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 73.819, 36.267 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(233, 76, 59)` looks like.

```
.text, #text, p{  
    color:rgb(233, 76, 59)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(233, 76, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 76, 59) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 73.819, 36.267 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(233, 76, 59) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(233, 76, 59) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(233, 76, 59) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 76, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 76, 59);  
box-shadow:4px 4px 4px 4px rgb(233, 76,  
59) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 73.819, 36.267 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 76, 59) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(233, 76,  
59) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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